



A.D. 1832 N° 6345.

S P E C I F I C A T I O N

OF

JOHN HORNBY MAW.

APPARATUS FOR INJECTING ENEMATA.

LONDON:

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Apparatus for Injecting Enemata.

MAW'S SPECIFICATION.

TO ALL TO WHOM THESE PRESENTS SHALL COME, I, JOHN HORNBY MAW, of Aldermanbury, in the City of London, Surgical Instrument Maker, send greeting.

WHEREAS His most Excellent Majesty King William the Fourth, by
5 His Letters Patent under the Great Seal of Great Britain, bearing date at
Westminster, the Seventeenth day of December, in the third year of His
reign, did, give and grant unto me, the said John Hornby Maw, my
exors, admors, and assigns, His special licence, that I, the said John
Hornby Maw, my exors, admors, and assigns, during the term of years
10 therein expressed, should and lawfully might make, use, exercise, and vend,
within that part of the United Kingdom of Great Britain and Ireland called
England, the Dominion of Wales, and the Town of Berwick-upon-Tweed, my
Invention of "CERTAIN IMPROVEMENTS IN THE FORM AND ARRANGEMENT OF PARTS
OF AN APPARATUS FOR INJECTING ENEMATA," in which Letters Patent there is
15 contained a proviso, obliging me, the said John Hornby Maw, under my
hand and seal, to cause a particular description of the nature of my said
Invention, and in what manner the same is to be performed, to be enrolled
in His Majesty's High Court of Chancery within six calendar months next
and immediately after the date of the said recited Letters Patent, as in
20 and by the same, (relation being thereunto had,) may more fully and at large
appear.

Maw's Improvements in Apparatus for Injecting Enemata.

NOW KNOW YE, that in compliance with the said proviso, I, the said John Hornby Maw, do hereby declare that the nature of my said Invention, is described and set forth in the manner following, reference being had for further illustration to the Drawings which accompany this.

My object has been to render the apparatus for injecting the enemata more compact and portable and more commodious for use by having all the parts so arranged that it only requires to open the case and to fill the reservoir with the requisite fluid to have the instrument in a state for immediate service. The reservoir being previously charged and the case closed, the apparatus is conveniently portable and whenever required to be used calls for no other preparatory operation than that of simply opening the outer case. In the Drawings which accompany this Specification the apparatus is drawn of its ordinary dimensions, and the same parts are marked and referred to by the same letters or numeral figures.

Figure 1 shews the instrument in vertical section; A indicates the outer containing case or box of wood or other suitable material, which I make subservient to the uses of the apparatus. Within the external case and attached to it by screws is a chamber, cistern, or reservoir of metal, fitting as a lining to the outer case and marked *a, a, a*. At B is an aperture covered by a hinged cap *f*, lined with leather, designed for the introduction of the fluid intended to be injected. A small force pump *c*, the valve box and delivery pipe of which are soldered to the bottom plate of the chamber, is placed near the back of the chamber, the neck passing through a circular opening in the upper plate to receive the screw cap *g* through which the piston rod works, the joint being made water-tight by a washer of leather *d* betwixt the shoulder of the pump barrel and the under side of the plate. The delivery pipe D of the pump passes to a brass collar E which is soldered into the lower part of the front plate of the chamber; the end of the pipe being soldered into the collar. Into the collar E, from the outside, the side branch of a stop-cock (*e*) screws, which stop-cock serves as a joint for the injection pipe, it being attached to the plug and having liberty of motion through a range of a quarter of a circle by means of a slot in the barrel of the cock. The injection pipe F is imbedded in or otherwise connected with the front piece of the external casing so as to move with it when it is folded up to close the box or turned down to a horizontal position when the apparatus is about to be used. The injection pipe is provided with two screw apertures, one at its outer extremity, closed by a screw plug (*b*), the other on its upper side at (*c*) into either of which the ivory tube can be inserted, as the apparatus may be designed to be used by the patient or by an assistant. The hinge of the front

Maw's Improvements in Apparatus for Injecting Enemata.

piece G of the casing is concentric with the joint stop-cock of the injection pipe, so that their motions may agree. When the front piece of the casing is turned up for the purpose of shutting up the box, the end plug of the injection pipe is received into a corresponding hole *h* in the top of the lid as
 5 the latter is closed down so as to retain the front in its place. On the inside of the lid are two small projecting studs or blocks of wood marked respectively *i, i*, intended, as the lid closes, to catch the covering cap of the aperture B and press it down so as to prevent the escape of any fluid which may be contained in the chamber. Figure 2 shews the upper surface of the chamber or cistern
 10 in its case. Figure 3 exhibits the connections of the joint stop-cock and the mode of hingeing the front piece of the external casing. Figure 4 shews a side view of the external case or box, as closed. In the apparatus which I have herein described, the several parts of which it is composed do not differ materially from such portions of apparatus as are in common use for similar
 15 purposes, nor do I claim under this Patent any exclusive right to the use of any such common instruments separately, but I claim as of my Invention, the adaptation of them collectively to the general purpose, under the arrangement now set forth, whether the similar individual instruments, as cisterns, pumps, pipes, cocks, and valves now delineated and described be used, or whether
 20 other modifications of such instruments calculated to effect the same purposes be employed.

In witness whereof, I have hereunto set my hand and seal, this
 Seventeenth day of June, One thousand eight hundred and thirty-
 three.

25 JOHN HORNBY (L.S.) MAW.

AND BE IT REMEMBERED, that on the Seventeenth day of June, in the year of our Lord 1833, the aforesaid John Hornby Maw came before our said Lord the King in His Chancery, and acknowledged the Specification aforesaid, and all and every thing therein contained and specified, in
 30 form above written. And also the Specification aforesaid was stamped according to the tenor of the Statute made for that purpose.

Inrolled the Seventeenth day of June, in the year of our Lord One thousand eight hundred and thirty-three.

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FIG. 2.

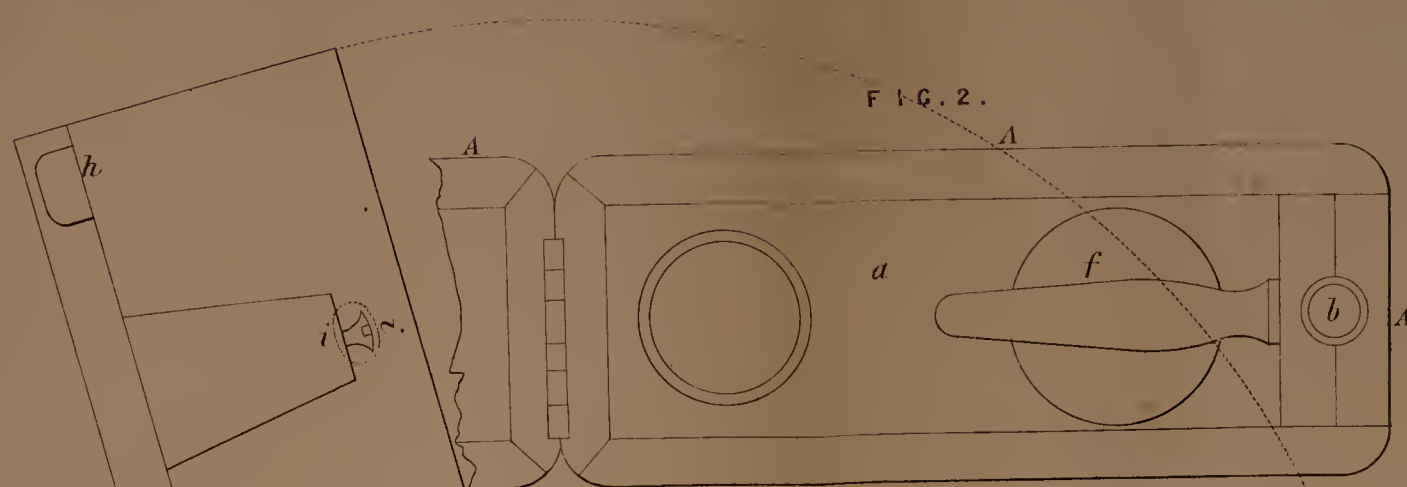


FIG. 1.

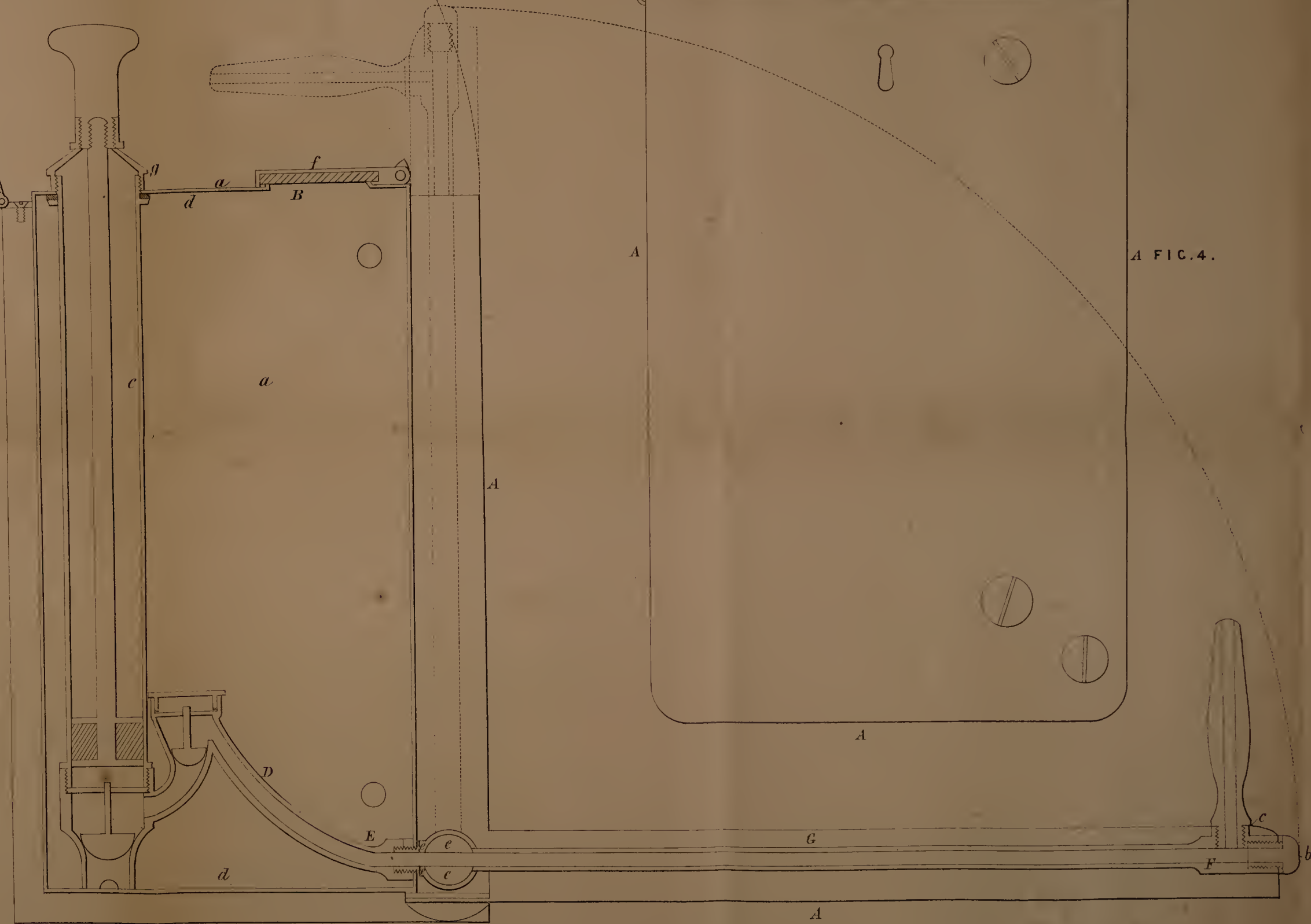


FIG. 4.

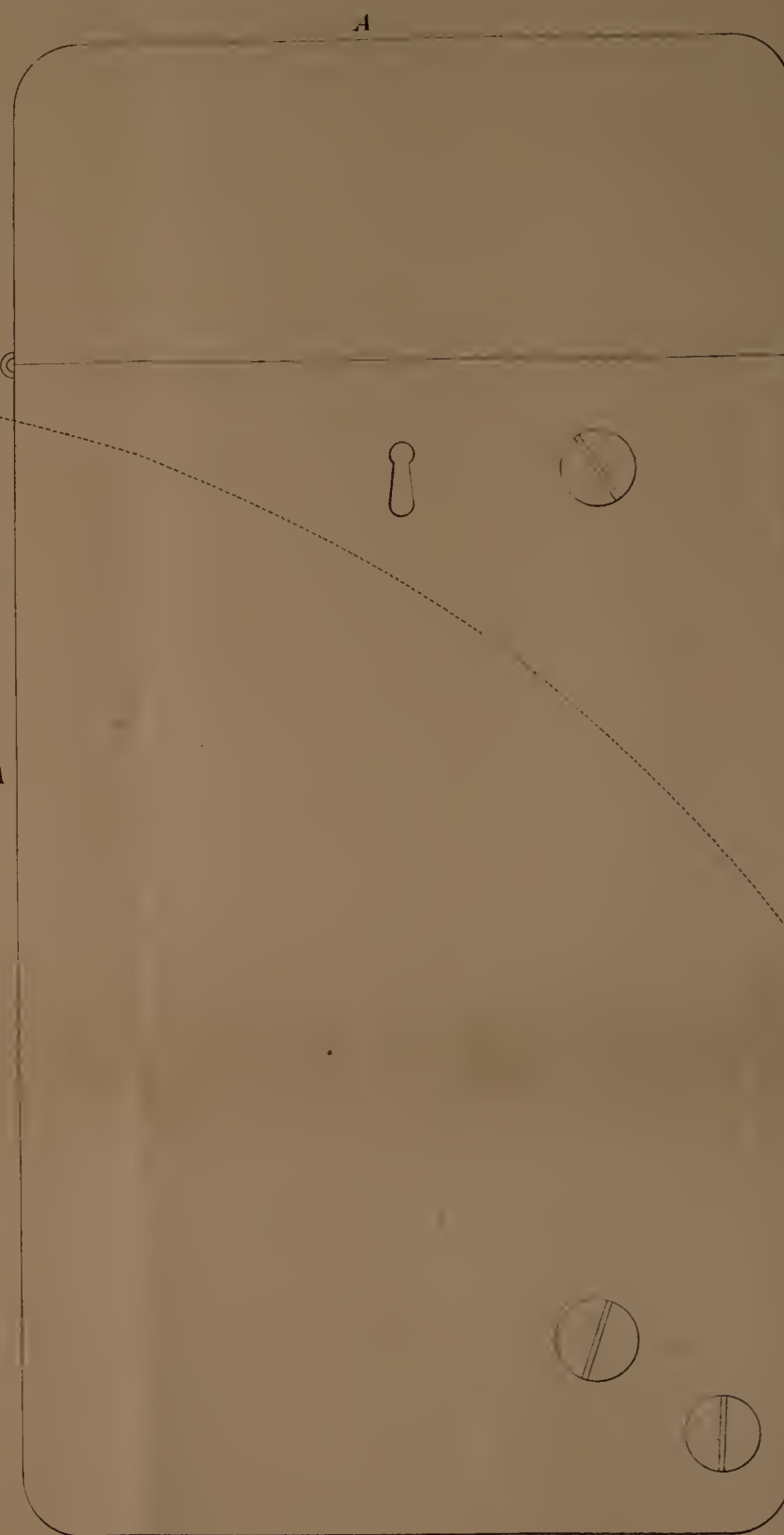


FIGURE 3.

